

REMARKS**Election**

The Examiner has required restriction between the following inventions:

<u>Group</u>	<u>Claims:</u>
I	20-32
II	33-42
III	43-52

Applicant elects with traverse Group I which is embodied in previously presented Claims 20-32 and new claims 53-67. Applicant respectfully notes that the base structure of the embodiment of the invention is shown in claim 20 and new independent claim 63. The base structure is modified with a particular dopant to either amplify or modulate an optical signal as shown in claims 53-62. The inclusion of a dopant in the second layer should not seriously increase the search burden. Applicant requests withdrawal of the restriction requirement.

The Applicant respectfully requests that the Examiner enter the aforementioned amendments for consideration. With this amendment, claims 20 - 52 are pending in the application. Claims 53 - 67 are new.

No new mater has been added.

The claims currently presented are proper and definite.

Accordingly, allowance of the elected Group is in order and is respectfully requested. However, should the Examiner deem further clarification of the

record is in order, I invite a telephone call to the Applicant to expedite further processing of the application to allowance.

Correspondence and Fees

A check for \$\$ is inclosed for 1 additional independent claims and 24 total claims. No additional fees are believed to be necessitated by the instant response.

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Telephone calls should be made to Anis Rahman at 717-220-1003. Any fax can be sent to 717-566-1177.

Respectfully submitted,



Anis Rahman

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